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(54) Storage and display of fishing reels

(57) A system for the storage or display of fishing reels comprises holding the reels on a vertical pole which can be installed as wall-mounted, free-standing or enclosed in a cabinet. Each reel is held securely in position by the force of gravity by slipping the lower flange of the base plate into a loose ring which is located on the pole by means of a short piece of dowel lying across the long axis of the pole, push-fitted into a suitable hole drilled through the pole or by means of a pin protruding from the pole. The rings, supported by dowels or pins as described, are placed at suitable intervals up the pole and each ring supports one reel. The number of reels which can be carried depends on the length of the pole and the number of rings provided.

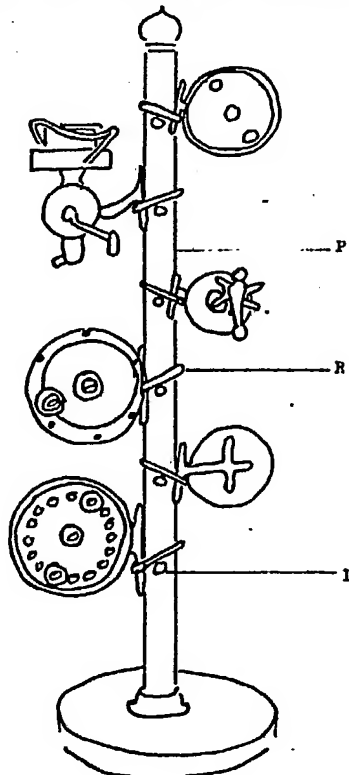


Fig. 1

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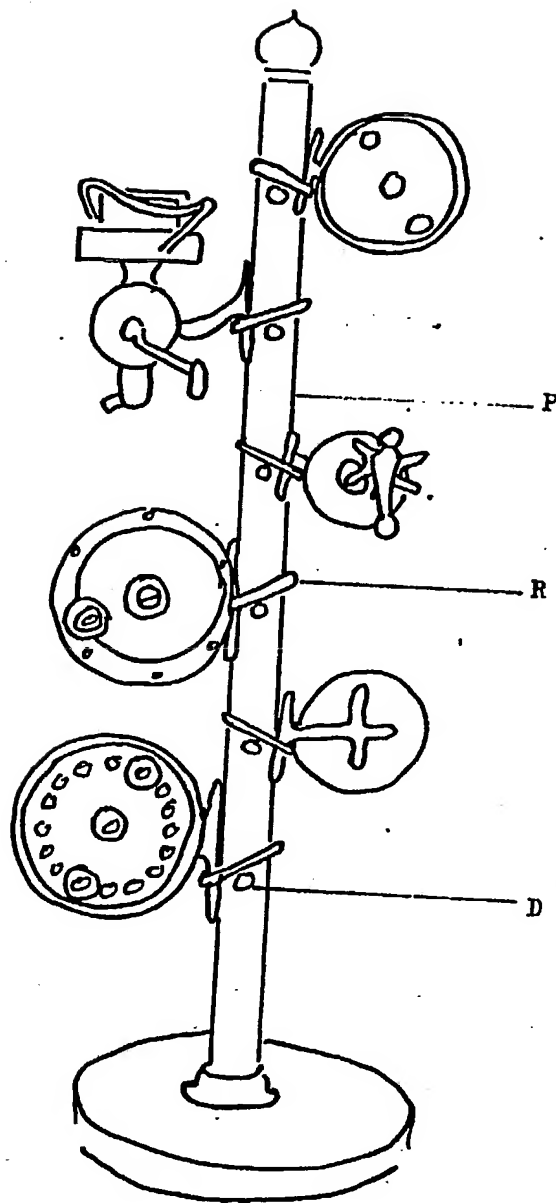


Fig. 1

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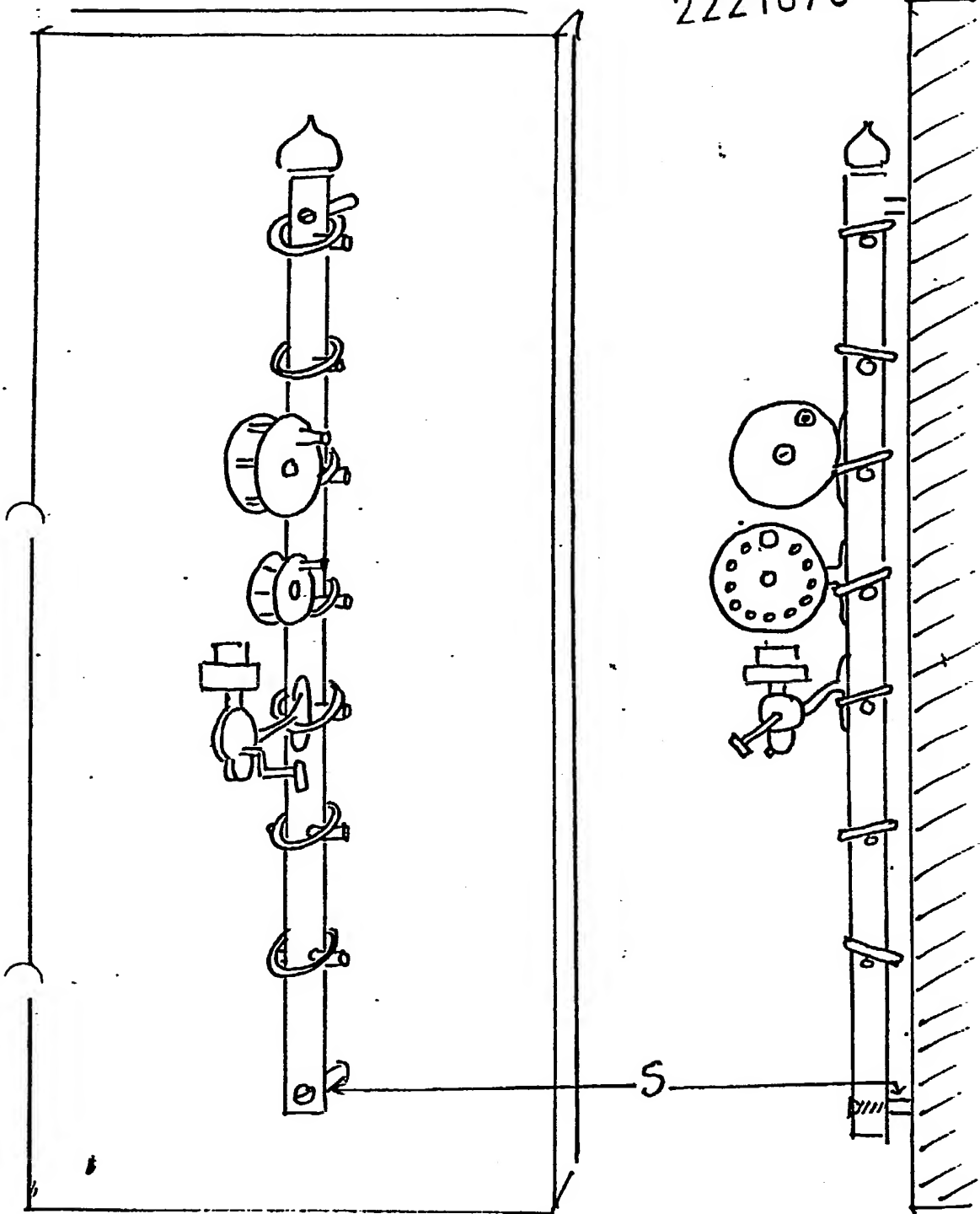


Fig. 2

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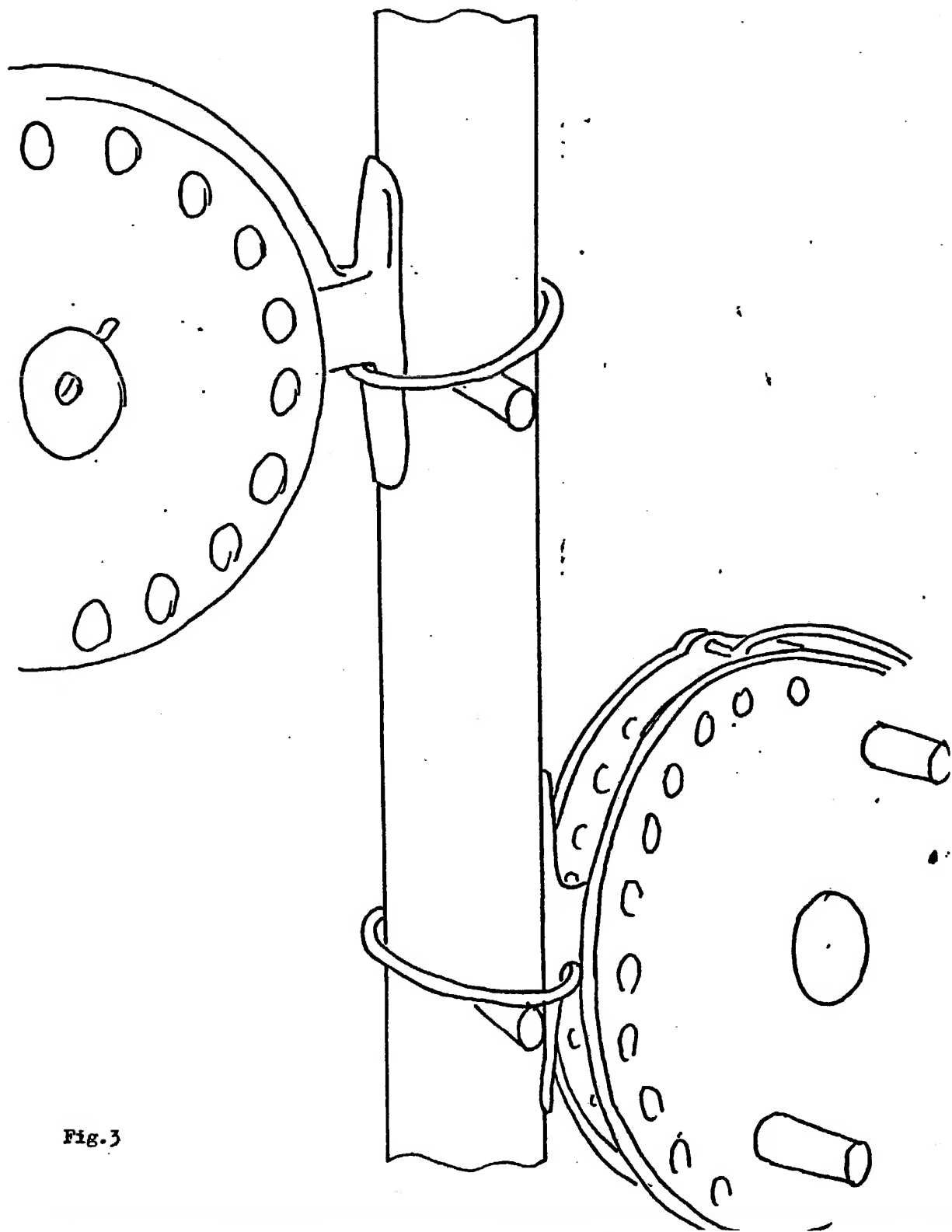


Fig. 3

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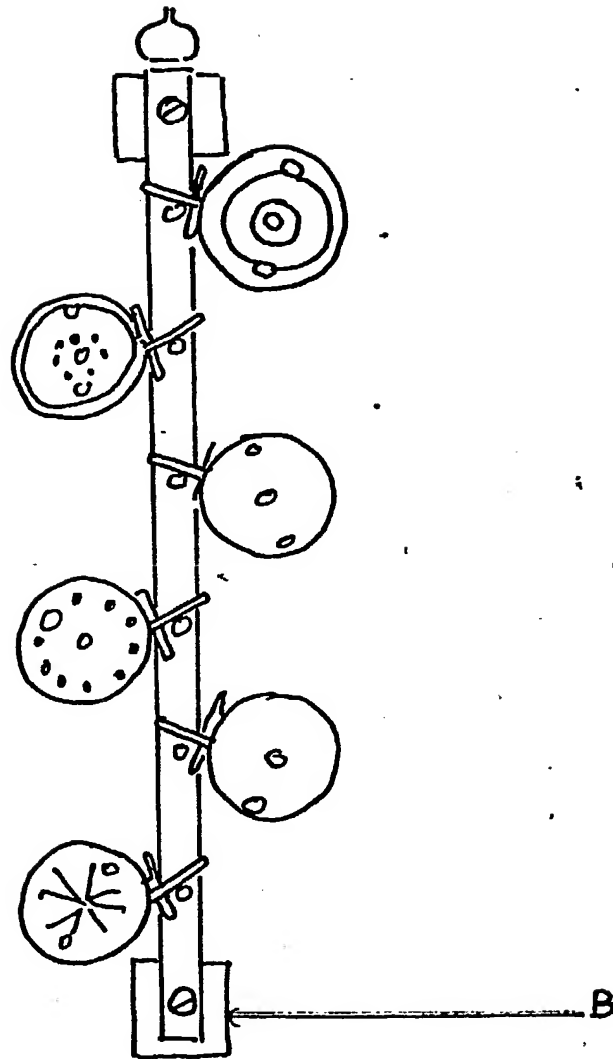


Fig-4.

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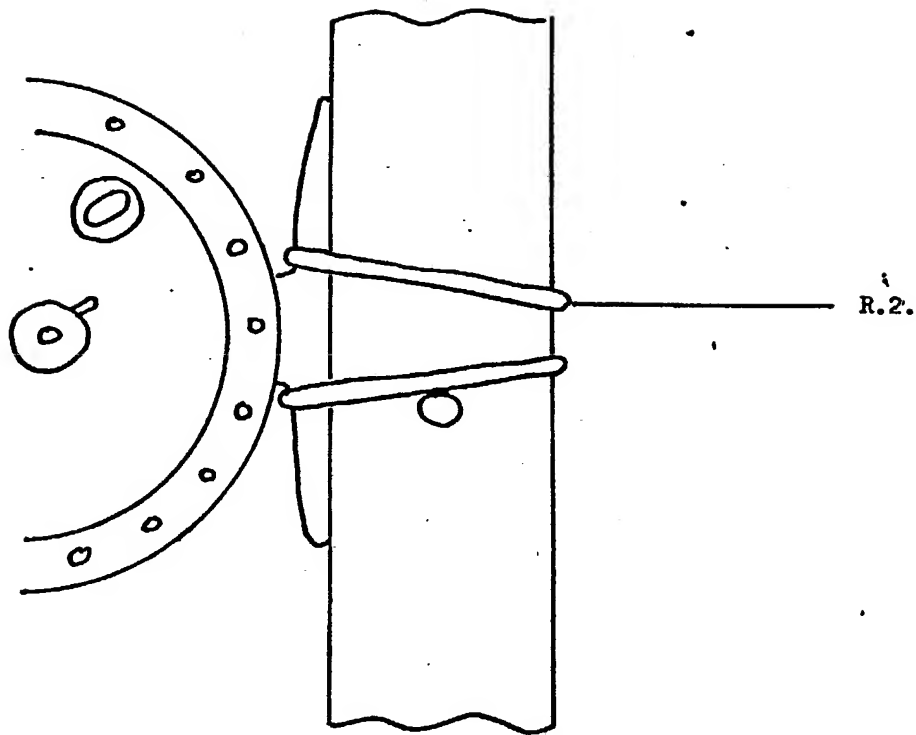


Fig. 5.

Loose-ring Fishing Reel Display Pole.

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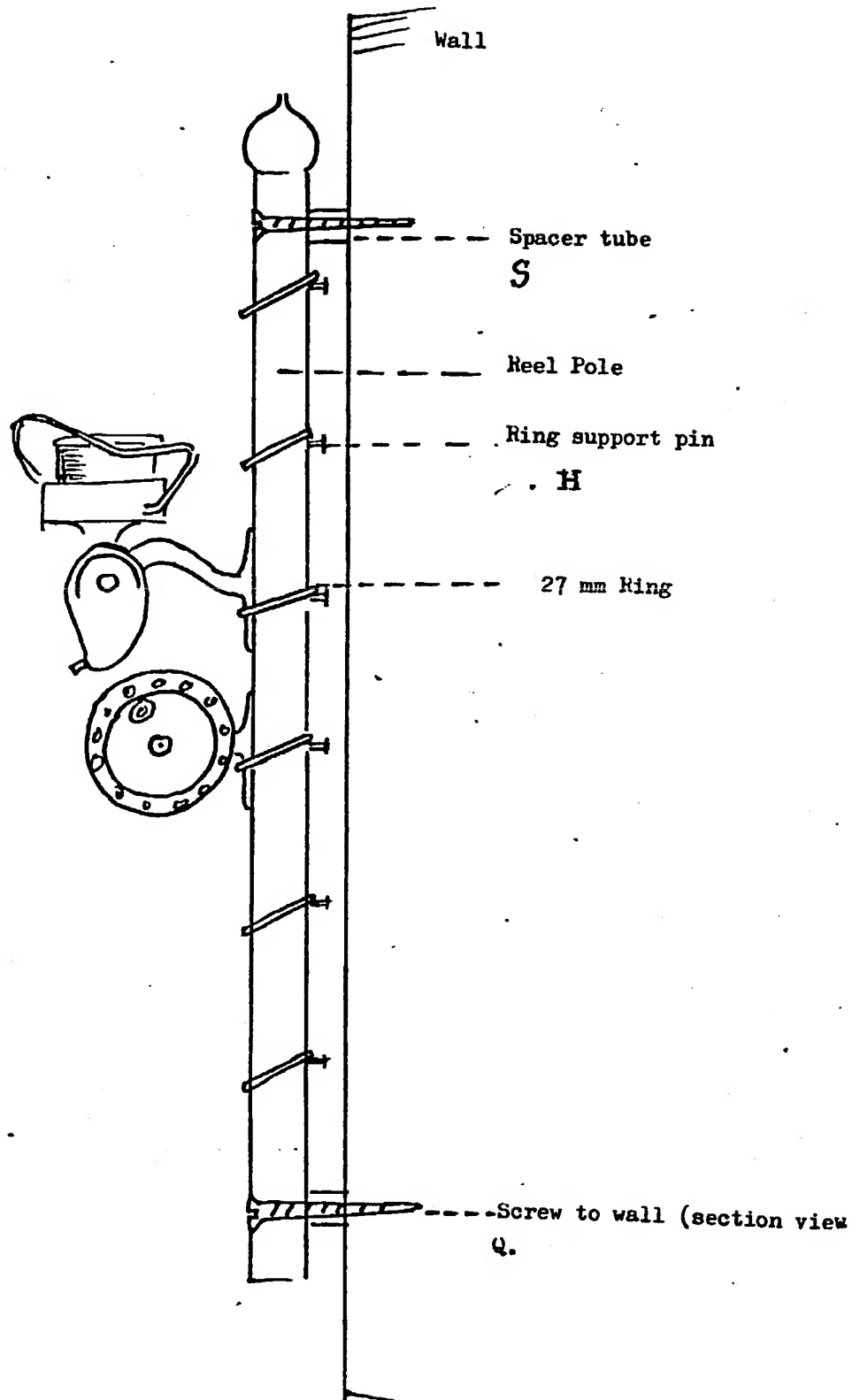


Fig.6.

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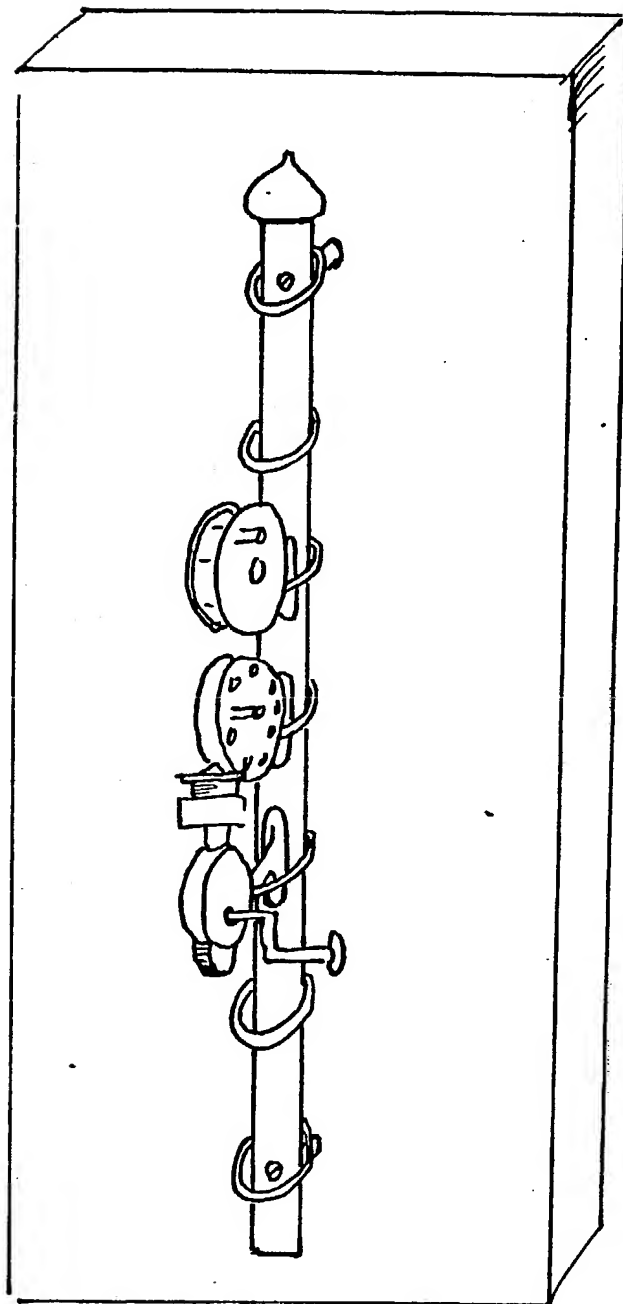


Fig.7.

Loose-ring Fishing Reel Display Pole.

This invention relates to the display or storage of fishing reels and is a new version of previous application 8813587 filed 8 June.1988.

The invention is intended for use by rod and line fishermen, collectors of fishing reels and shopkeepers selling reels. Closed storage in cupboards or fishing-bags is most commonly used by fishermen who may own a number of reels but a more display-orientated method is required by collectors and shopkeepers. Open or glass-fronted shelves, mounting boards with multiple pairs of metal "elephant tusks" upon which the reels are perched and horizontally disposed rails carrying pairs of conventional bands of the type used on normal fishing rod handles are examples of display systems presently available. There appears to be no system in which reels can be displayed on a vertical pole and can be inserted into or removed from the support system using only one hand.

The loose-ring display pole (referred to hereafter as the reel-pole) enables the user to store or display reels on a vertical pole which can be wall-mounted, fixed in a cabinet or free-standing. Reels can be slipped into the loose holding rings with one hand and once in position they are secure from dislodgement by lateral knocks or from vibration, although they can be dislodged by a lifting movement of approximately 20 mm. They may therefore be removed from the reel-pole by simply lifting with one hand. Whereas in the horizontal rail system a pair of bands is required to hold each reel (and they have to be well tightened with both hands) in the reel-pole only the one loose fitting ring is required.

The essential reel-pole Fig.1. consists of a vertical pole P. carrying a series of loose-fitting rings R. (dimensions given on P.2.) The rings are spaced at intervals down the pole either by means of horizontally orientated pieces of dowel D. or by a series of pins, Fig.6.H. If it is desired to carry all the reels on one side of the pole only, as for example in Figs. 2, 6 and 7 which are wall-mounted versions where the reels stand out perpendicular to the plane of the wall, it is essential that the rings should be spaced at least 170 mm. apart to allow enough room for the reels. Where the reels are to be carried on either side of the pole, as in Figs. 1 and 4 the rings may be spaced 85 mm. apart. In these circumstances dowels would be used, not pins.

The dowels are fixed to the pole by push fit through suitable holes drilled through the pole at right angles to its long axis. If extra security is required a second ring may be supplied Fig. 5 R2 but this is not normally necessary.

An enlarged view of the secure way that the reels seat in the loose rings is shown in Fig. 3. It may readily be appreciated that a reel can be mounted on either side of the pole when the dowels are used. Spacing can easily be varied to suit unusual sized reels by altering the spacing of the dowels or pins and hence altering the positioning of the rings.

Where the pole is wall-mounted and the reels are carried perpendicular to the wall, fixing is most conveniently effected by means of a screw, Fig. 6 Q. through the pole and through a tubular spacer S. Where the reels are to be mounted parallel to the wall, more space is likely to be needed due to protuberances of various sorts, for example handles, from the reels. This can be provided by fixing a wooden block Fig. 4 B. of suitable thickness to the wall into which the normal wall-fixing screws and spacers may be inserted.

The reason for there being two alternative methods of locating the rings, the dowels or the pins, is as follows :

The dowels enable the reels to be carried on either side of the pole which is convenient in some applications. The single pins limit the carrying capacity of the pole to one side but the advantage is that when the pole is mounted on a wall with the pins on the wall side of the pole (so that the reels are perpendicular to the wall) the assembly looks neater as the pins can only be seen from the side and are invisible from in front, Fig. 7.

Dimensions

Pole (normally wood)	Diameter	23 mm.
	Length	optional
Rings (metal)	Diameter (internal)	27 mm.
	Thickness	2 mm.
Dowels (normally wood)	Thickness	7 mm.
	Length	40 mm.
Pins (normally small metal screws)	Length	10 mm
	(5 mm. buried 5 mm. projecting)	
Wall-fixing screws	Length	50 mm.
Spacer tubes (plastic or metal)	Length	10 mm.

Decoration

The pole normally to be decorated with a finial at the top as in a flagpole or with a brass or silver representation of a bird's or animal's head. The wood of the pole to be suitably polished or varnished.

Claims

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1. A system for display or storage of fishing reels on a vertical pole by means of loose-fitting rings into which the reel base plates can be inserted with one hand.
2. The system can be wall-mounted, free-standing or installed in a cabinet.
3. Reels can be displayed on one or both sides of the pole.
4. Reels are held in position by gravity without the need for friction, thus the fittings do not have to be made to fine tolerances.